## WHAT IS CLAIMED IS:

1	1.	An electric welder for spot fusing a eutectic metal to a thin film electrical
2		conductor on an electrically non-conductive substrate, comprising:
3		at least one pair of an electrode, at least one said electrode having a terminal
4		end that is tapered tangentially to a domed terminus; and
5		said domed terminus having a radius sufficiently small to concentrate an
6		electrical current to produce a heat cone and penetrate said eutectic metal and
7		sufficiently large to prevent an intolerable damage to any of said eutectic metal,
8		said thin film, and said substrate.
1	2.	The welder of claim 1, wherein:
2	2.	said substrate is a lid for an IC package made of ceramic or glass, said thin
3		film is made substantially of gold, and said eutectic metal is a frame therefore
4		made substantially of an alloy of 80% gold and 20% tin; and
5		each said electrode is made of and alloy of copper tungsten.
1	3.	The welder of claim 1, wherein, said spot fusing is accomplished by pulsing
2	J.	said electrical current from a discharging capacitor through said electrode pair.
3		and decented current from a discussion of the contract of the
1	4.	A method of using the welder of claim 1 for spot fusing a eutectic metal to a
2		thin film electrical conductor on an electrically non-conductive substrate,
3		comprising:
4		placing said eutectic metal in registration contact with said thin film;
5		pressing a pressure block against said eutectic metal;

6	pressing at least one of said electrode pair of the welder of claim 1 into
7	contact with said eutectic metal under sufficient pressure to displace a tiny bit
8	of said eutectic metal against said thin film;
9	pulsing an electrical current through said electrode pair of sufficient energy
10	to cause a localized heating and melting of said eutectic metal;
11	allowing said eutectic metal to cool and thereby solidify; and
12	removing said electrode pair and said pressure block therefrom.
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